

AUTOMATIC PICK & PLACE MACHINE

MX 70



MX70

Description

Mechatronika's MX70 is a professional production machine for SMT boards. Mature construction and high quality equipment makes an efficient use in small lot production. A component range from 0201 to QFP/BGA can be processed from all current packaging media. MX70's best unique features - machine can automatically pick and place components from bulk feeders. It means, that machine searches for the loose component in the container and when finds a component according to the template in the Library then goes over the centering camera, recognizes position of a component on the nozzle and then places it on a PCB. Optionally the MX70 can be equipped with the dispensing head for solder paste or glue. The efficient control system of the MX70 is based on Windows XP embedded platform. Placement data can be converted from various layout systems to minimize change over time.

Product Features

- vision centring
- fully automated placing
- solder paste/glue dispensing head
- automatic fiducials correction and bad mark sensing
- automatic change of nozzles
- Windows XP embedded control system
- Pick & Place data can be entered manually in TEACH-IN mode or can be converted from various CAD data systems
- good price to performance ratio

Technical Specification

PCB

Placement area: 330 x 500 mm

Components

Range: from 0201 to 35 x 35 mm QFP and BGA
Pitch: up to 0,5 mm (0.4 mm optionally)
64 feeders for 8 mm tapes + 30 stick of SO8

Components packing

Tapes: 8 mm, 12 mm, 16 mm, 24 mm, 32 mm, 44 mm
Sticks: SO8-PLCC84
Trays
Bulk tray

Placement rate

1900 -2200 cph

Placement accuracy

Better than 0,08 mm

Nozzle changer

Automatic, 8 nozzles
Automatic sensing of nozzle presence

XY resolution

Standard 5 µm

Vision system

Automatic fiducials correction
Automatic bad mark sensing

Components orientation

0.05° steps

Control Panel

LCD 17" screen
keyboard
mouse

Options

Data import from CAD
Solder paste / glue dispensing head

Dimensions and weight

750 x 1100 x 1350 mm, 150 kg

Power Supply

230 V, 50 Hz, 400 W

Compressed Air Supply

0,6 MPa, 20 l/min

